

Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
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EFS ID: 17097  
Application ID: 10064754  
Title of Invention: HIGH PERFORMANCE VARACTOR  
DIODES  
First Named Inventor: Douglas Coolbaugh  
Domestic/Foreign Application: Domestic Application  
Filing Date: null  
Effective Receipt Date: 2002-08-14  
Submission Type: Utility Patent Filing  
Filing Type: new-utility  
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Attorney Docket Number: BUR920020051  
Digital Certificate Holder: cn=Mark F. Chadurjian, ou=Registered Attorneys, ou=Patent and  
Trademark Office, ou=Department of Commerce, o=U.S.  
Government, c=US  
Certificate Message Digest: hCCbx2D8PDyFdKNxjJTwxw==  
Total Fees Authorized: \$864.0  
Payment Category: DA - Deposit Account  
Deposit Account Number: 90456  
Deposit Account Name: Mark F. Chadurjian

# TRANSMITTAL FORM

Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Utility  
Patent Filing

Attorney Docket  
Number:

BUR920020051



## HIGH PERFORMANCE VARACTOR DIODES

First Named Inventor: Mr. Douglas D. Coolbaugh

### SUBMITTED BY

Name:	Mark F. Chadurjian
Registration Number:	30,739
Electronic Signature Mark: Mark F. Chadurjian /s/	Date Signed: 20020814

*I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.*

*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

### Attached Files:

declaration	BUR920020051US1Dec1.tif
declaration	BUR920020051US1Dec2.tif
specification	BUR920020051US1.xml
ibid-transmittal	BUR920020051US1MFCapds.xml

us-information-disclosure-statement  
patent-assignments  
fee-transmittal

BUR920020051US1MFCids.xml  
BUR920020051US1MFCasgn.xml  
BUR920020051US1MFCfee.xml

**Attached Image File(s):**

BUR920020051US1Dec1.tif  
BUR920020051US1Dec2.tif

**Comments:**

Assignee: International Business Machines Corporation Address: Armonk, NY 10504

## DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### HIGH PERFORMANCE VARACTOR DIODES

the specification of which:  
(check one)

☒ is attached hereto.

☐ was filed on \_\_\_\_\_, as Application Serial No. \_\_\_\_\_ and was amended on \_\_\_\_\_.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

Number	Country	Day/Month/Year	Priority Claimed
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I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

Prior U.S. Applications:

Serial No.	Filing Date	Status
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Mark F. Chadurjian (Reg. No. 30,739), Richard M. Kotulak (Reg. No. 27,712), James M. Leas (Reg. No. 34,372), William D. Sabo (Reg. No. 27,465), Robert A. Walsh (Reg. No. 26,516), Howard J. Walter, Jr. (Reg. No. 24,832), Richard A. Henkler (Reg. No. 39,220), Richard L. Catania, Reg. No. 32,608, Reg. No. 32,608; Leopold Pesser, Reg. No. 19,827; Frank S. DiGiglio, Reg. No. 31,346; Kenneth L. King, Reg. No. 24,223; William C. Roch, Reg. No. 24,972; Edward W. Grolz, Reg. No. 33, 705; Steven Fischman, Reg. No. 34,594; Christopher A. Hughes (Reg. No. 26,914), John E. Hoel (Reg. No. 26,279), Joseph C. Redmond, Jr. (Reg. No. 18,753).

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# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Large Entity

**TOTAL FEES AUTHORIZED: \$ 864**

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 09-0456



Deposit Account Name: International Business Machines Corporation

**SUBMITTED BY**

Authorized Name: Mark F. Chadurjian  
 Electronic Signature Mark: Mark F. Chadurjian /s/  
 Date Signed: 20020814

**BASIC FILING FEE**

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

**EXTRA CLAIM FEES**

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 17	103	\$ 18	0	\$ 0
Independent Claims: 4	102	\$ 84	1	\$ 84

Subtotal For Extra Claims Fees: \$ 84

**ADDITIONAL FEES**

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Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	581	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40